

CLAIMS

1. A pressure package system for providing a working pressure on a fluid included in a pressure package, the system being provided with a pressure package in which a product chamber is included for holding the fluid and in which a working pressure chamber is included for keeping a propellant at the working pressure, the system being further provided with a pressure controller and a high-pressure chamber connected with the pressure controller for keeping the propellant in supply at a relatively high pressure, the system being further arranged to supply the propellant from the high-pressure chamber to the working pressure chamber with the aid of the pressure controller on the basis of a reference pressure, for maintaining the working pressure in the working pressure chamber, characterized in that the pressure package system is further provided with a wall which is designed to be movable relative to the pressure controller, a first side of the wall bounding the working pressure chamber at least partly and a second side of the wall, facing away from the working pressure chamber, bounding the product chamber at least partly.
2. A pressure package according to claim 1, characterized in that the pressure package comprises a provision for opening the pressure package for the purpose of allowing fluid operatively contained in the product chamber to flow out of the product chamber.
3. A pressure package according to claim 1 or 2, characterized in that the wall is designed to be movable relative to the pressure package.
4. A pressure package according to claim 1 or 2, characterized in that the wall comprises a plunger.
- 25 5. A pressure package system according to any one of the preceding claims, characterized in that the first side of the wall bounds the working pressure chamber substantially completely.

6. A pressure package according to any one of the preceding claims, characterized in that the product chamber is further bounded partly by the pressure package.
7. A pressure package system according to any one of the preceding 5 claims, characterized in that the working pressure chamber comprises an inner space of a balloon in which, in use, the propellant can be received.
8. A pressure package system according to any one of the preceding claims, characterized in that the working pressure chamber comprises an inner space of a bellows in which, in use, the propellant can be received.
- 10 9. A pressure package system according to claims 1-4, characterized in that the second side of the wall bounds the product chamber at least substantially completely.
10. A pressure package system according to any one of claims 1, 2, 3, 4 or 9, characterized in that the working pressure chamber is further at least partly 15 bounded by inner walls of the pressure package.
11. A pressure package system according to claim 9 or 10, characterized in that the product chamber comprises a bag with an opening, the opening linking up with the provision arranged in the pressure package for opening the pressure package.
- 20 12. A pressure package system according to claim 11, characterized in that the bag is manufactured from a material having a low coefficient of friction.
13. A pressure package system according to claim 9 or 10, characterized in that the product chamber comprises a bellows with an opening, the opening linking up with the provision arranged in the pressure package for opening 25 the pressure package.
14. A pressure package system according to any one of the preceding claims, characterized in that in the high-pressure chamber a propellant is included.
15. A pressure package system according to claim 14, characterized in that 30 the propellant comprises a relatively inert gas.

16. A pressure package system according to claim 15, characterized in that the relatively inert gas comprises a gas from the group consisting of nitrogen and carbon dioxide.
17. A pressure package system according to any one of the preceding 5 claims, characterized in that the system is of two-part design, with a first part comprising the pressure package and a second part comprising the pressure controller with the high-pressure chamber.
18. A pressure package system according to claim 17, characterized in that the first part and the second part are integrally connected with each other.
- 10 19. A pressure package system according to claim 17, characterized in that the first part and the second part are designed as loose items and are connectable with each other for use.
- 15 20. A pressure package system according to any one of the preceding claims, characterized in that in use the pressure controller is fixed with respect to the pressure package.
21. A pressure package system according to any one of claims 2-20, characterized in that the pressure package is substantially cylinder-shaped, the pressure package being provided with a first and a second end, the pressure package being further provided with an inlet opening for the propellant situated adjacent the first end and wherein the provision for opening the pressure package is situated adjacent the second end.
- 20 22. A pressure package system according to claims 6 and 21, characterized in that the balloon is designed such that the balloon, while being filled with propellant, stretches substantially in an axial direction of the pressure package.
- 25 23. A pressure package system according to claims 7 and 21, characterized in that the bellows is so designed that the bellows, when being filled with propellant, expands substantially in an axial direction of the pressure package.

24. A pressure package system according to any one of the preceding claims, characterized in that the pressure package is made of box-like design.
25. A pressure package system according to any one of the preceding claims, characterized in that the pressure package is manufactured substantially from a plastic material.
- 5 26. A pressure package system according to any one of the preceding claims, characterized in that the pressure controller is fixed with respect to an inner wall of the high-pressure chamber.